

AN ISO 9001 : CERTIFIED COMPANY



Advanced
Technology
For Induction Systems



Innovating Induction Systems

The Symbol of Quality





Company Introduction

- Innovating Induction System
- Advanced Technology for Jewellery and other Metal Industries
- India's most successful Machines

Shapet Induction Company is **Rajkot** (Gujarat-India) based manufacturing company. Shapet Induction Company was founded by visionary Mr B.S. Patel in 1995.

Shapet Technologies have been inaugurated in January 2021 in **Ahmedabad**(Gujarat-India) to enhance our customer reach.

Our product range: Induction based Gold melting machines, Silver melting machines, Gold casting machines, Gold bar Casting machines, Granulating machine for gold/silver, Casting plant machineries, DLP 3D Printers, Graphite crucible, Ceramic jacket etc. for Jewellery industries.

Shapet also have Induction based industrial range of product which is used for various application like **Brazing, Shrink Fitting, Heating, Hardening, Forging, Annealing, Bending, Melting etc.** These product are useful for various industries like submersible pump manufacturer, ball bearings manufacturer, Surgical implant manufacturer, Diamond Cutting Tools manufacturer, steel vessel manufacturer. etc.

We have also ventured into the field of commercial cooking with its latest range of products like Induction Kadai, Induction Mawa maker, Induction Hot Plates, Induction Cook Tops and Induction Tawa etc. These products provide an effective, economical, and environment friendly methods for commercial cooking applications and cater to various clientele like restaurants, hotels, Farsan manufacturers. sweets manufacturers, caterers etc.

We have become a well-known global name in the field of jewellery industry as our clientele is spread across many countries like UAE, Bahrain, Qatar, Bangladesh, Congo, Uganda, West Africa, Sri Lanka etc.

Our list of long-term satisfied clients in Jewellery Industries consist of Titan Industries Ltd (Tanishq), Relince Jewellery, C Krishna Chetty & Sons Pvt Ltd, Abhran Jewellery, Khazana Jewellery, Kiran Jewellery, Derawala Word Jewellery, Malabar Gold, GRT, Emerald Industries to name a few.

In other industries also, we have happy clients like Topland Pump Ltd, Lada Laxmi Pump Pvt Ltd, Silver Pumps & Motors Pvt Ltd, Lubi Industries, Fieldmarshal P.M. Diesels Pvt Ltd, Rotec Submercible Pumps LLP. and Kirloskar to name a few.

It would be our honour to serve you with advanced Technological Machineries. If you are interested in having business relationship with us, please don't hesitate to contact us at +91 98795 52825

With Regards

Shapet Technologies

SHAPET
TECHNOLOGIES

Innovating Induction Systems

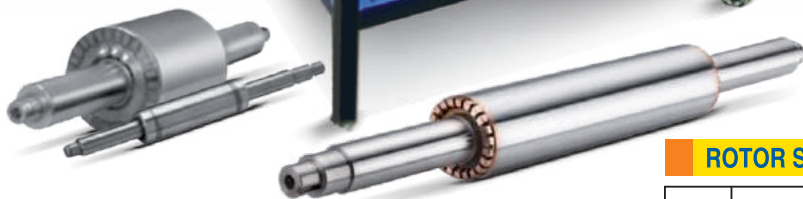




SUBMERSIBLE ROTOR BRAZING MACHINE



- Performs uniform brazing
- No need for qualified or expert operator
- Low or nill running cost
- Less maintenance, no service required
- More output per hour
- Compact, easily installable and movable
- User friendly
- Tax depreciable



TYPES OF ROTOR BRAZING MACHINES ALONGWITH APPLICABLE ROTOR SPECIFICATIONS :

Sr.No.	KW capacity	Applicable rotor	Power Phase
1	15	V3, V4	3 Phase
2	20	V3, V4, V6, V8	3 Phase
3	25	V3, V4, V6, V8, V9	3 Phase

ROTOR SPECS ALONGWITH POWER CONSUMPTIONS

Sr. No.	Rotor	Diameter of rotor	Average operation time per side	Actual ampere required	Power consumption Per Hour
1	V3	40-50 MM	40-45 seconds	15 ampere	10 kw/hr
2	V4	50-65 MM	45-60 seconds	17 ampere	12 kw/hr
3	V6	65-85 MM	60-90 seconds	25 ampere	17 kw/hr
4	V8	90-105 MM	90-120 seconds	29 ampere	20 kw/hr
5	V9	105-115 MM	180-240 seconds	33 ampere	22 kw/hr

BENEFITS

- Safe & Easy operation
- This machine is not requiring oil and dimmer
- Compact model with cooling tower, so less space require
- This machine shows failure indication if any
- Speed is high compared to other machines
- It's totally maintenance free
- 80% Income Tax Depreciable for Energy saving - flame less Device



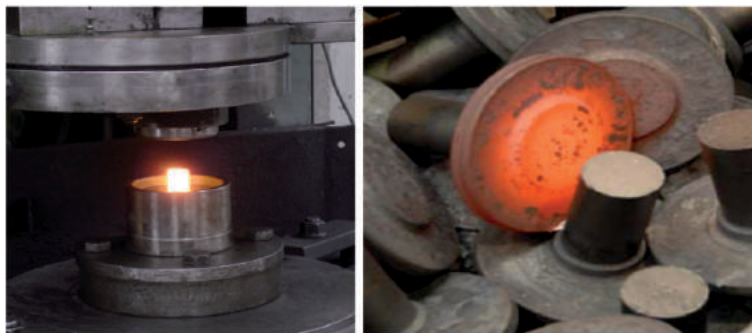
SPECIFICATIONS

- Operates on Three phase 440v. A.C.
- Fully automatic controls
- Heat and power loss reduced
- Less power consumption
- Simple to operate
- All safety precautions provided
- Feather touch controls
- Automatic power control
- Economical and efficient in operation.
- Energy saving-Flameless furnace



HIGHLIGHTS

- High temperature cement casted induction coil for long life.
- Pollution Free
- High Efficiency ready for production any time.
- Automation possible
- No billet trip. Water cooled billet guide



TECHNICAL SPECIFICATIONS FOR INDUCTION BASED BILLET HEATING FURNACE

Sr.No.	KW	Phase	CT	HE	Brass/Hr/Kg	MS/Hr/Kg	Power/Hr	Size O/D
1	20	3	Required	Not Required	Upto 30 Kg	Upto 40 Kg	16 Units	0 to 25 mm
2	25	3	Required	Not Required	Upto 40 Kg	Upto 50 Kg	20 Units	0 to 25 mm
3	30	3	Required	Not Required	Upto 50 Kg	Upto 60 Kg	24 Units	0 to 25 mm
4	40	3	Required	Required	Upto 65 Kg	Upto 80 Kg	32 Units	0 to 60 mm
5	50	3	Required	Required	Upto 80 Kg	Upto 100 Kg	40 Units	0 to 60 mm
6	60	3	Required	Required	Upto 95 Kg	Upto 120 Kg	48 Units	0 to 60 mm

- Note :**
1. KW = Kilowatts
 2. CT = Cooling Tower
 3. HE = Heat Exchanger
 4. Output Design and Power Consumptions are based on approximate values. Actual Values Will vary depending upon the user requirements.

Heating the billet to forging temperature by induction heating. Any shape & size of billet [ferrous or non ferrous] can be heated to required temperature upto the core, hence forging is possible. Pneumatic cylinder moves billet inside the coil for heating for continuous production



INDUCTION



HEATING

HARDENING

ANNEALING

TOOL BRAZING

SHRINK FITTING

BILLET HEATING

FORGING

TUBE SWALING

SINTERING

BANDING

MELTING

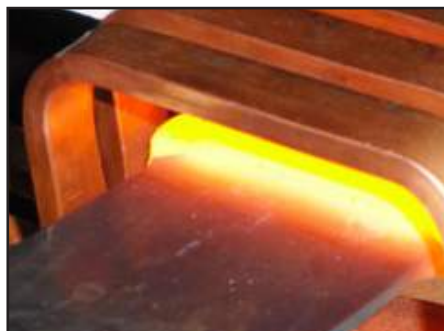
MACHINE

AVAILABLE FROM 5 Kw To 100 Kw

HEATING



FORGING



ANNEALING



FEATURES:

- Operates on Three phase 440v. A.C.
- Fully automatic controls
- Heat and power loss reduced
- Less power consumption
- Simple to operate
- All safety precautions provided
- You can use it for melting copper, Brass, Aluminum etc.
- Feather touch controls
- Automatic regulations of temperature
- Automatic power control
- Perfect homogeneous mixing Increased productivity.
- Economical and efficient in operation.
- Energy saving-Flameless furnace

TECHNICAL SPECIFICATIONS:

- Power Supply : Three Phase
- Voltage : 440 volt AC
- Capacity of Crucible : 10 KG to 100 KG
- Maximum Temperature : 1200 degree
- Melting Time : 15 min
- Temperature Measurement : Automatic
- Cooling Water Temperature : 35 degree Max
- **Dimensions (cms)** : L x W x H
- Induction Generator : 80 x 60 x 113
- Tilting Unit : 62 x 62 x 92
- Chiller : 84 x 59 x 105
- **Weight (kg - Approx)**
- Induction Generator : 79
- Tilting Unit : 60
- Chiller : 131

† Brimful Capacity †† Under Standard Condition



10 Kg To 100 Kg Melting



Note :

- Technical data dimensions and other characteristics are not binding and can be changed even upon request.
- Always use graded crucibles for efficient, effective and maximum machine utilisation

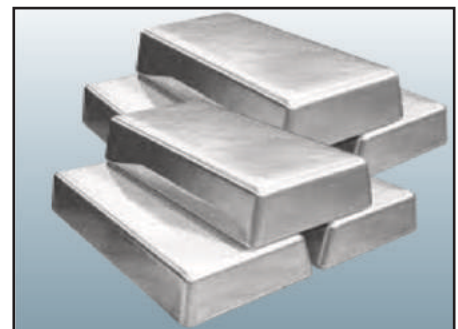
COPPER



BRASS



ALUMINIUM



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SHAPET

SHAPET
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